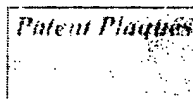




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JP7250812A2: FLUORESCENCE DIAGNOSING APPARATUS

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Country: **JP** Japan

Kind:

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News, Profiles, Stocks and More about this company

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IPC Class: **A61B 1/04; A61B 1/00; A61B 10/00;**

Abstract:

Purpose: To achieve an efficient and accurate fluorescence diagnosis regardless of parts and condition of an organic tissue with a simple construction.

Constitution: In normal observation, a normal observation image obtained with an endoscope 1 by white light from a lamp 3a of a normal illumination light source 3 is taken with a normal TV camera 6 through a second adaptor 5. In the observation of fluorescence, the quantity of the reflected light of excitation light from a laser unit 4 for fluorescence is monitored with a reflected light monitor 27 to detect the excitation light $\lambda 0$ at the wavelength of the least quantity of light and a control signal is transmitted to the laser unit 4 for fluorescence so that the excitation light $\lambda 0$ of the wavelength detected with the laser unit 4 for fluorescence is oscillated to take a fluorescent image obtained with the endoscope 1 at the excitation light $\lambda 0$ with a fluorescent image photographing camera 7 through the second adaptor 5. Then, the ratio of fluorescence at the wavelength $\lambda 1$ to that at $\lambda 2$ is determined with a fluorescent image processor 9 to distinguish lesion from the normal tissue.

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